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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/643,628	08/18/2003	Wei Li	50277-2250	4451	
42425 HICKMAN P	7590 10/31/200 ALERMO TRUONG &	EXAM	EXAMINER		
2055 GATEWAY PLACE			SAEED, I	SAEED, USMAAN	
SUITE 550 SAN JOSE, C.	A 95110-1083	ART UNIT	PAPER NUMBER		
0.11.1001., 0.	1755110 1005	2166			
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			10/31/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/643,628	LI ET AL.		
Examiner	Art Unit		
USMAAN SAEED	2166		

	USMAAN SAEED	2166					
The MAILING DATE of this communication appear	ars on the cover sheet with the o	correspondence add	ress				
THE REPLY FILED 10 October 2008 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.							
1. The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:							
 a) The period for reply expiresmonths from the mailing b) b) Experiod for reply expires on: (1) the mailing date of this Ano event, however, will the statutory period for reply expire is Examiner flower: flow it is excluded, such expired to the flower of the flower o	dvisory Action, or (2) the date set forth ter than SIX MONTHS from the mailing b), ONLY CHECK BOX (b) WHEN THE),	g date of the final rejection FIRST REPLY WAS FILE	n. LED WITHIN TWO				
Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filled is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the malling date of the final rejection, even if timely filled, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL							
2. The Notice of Appeal was filed on A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(a)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).							
AMENDMENTS 3. ☐ The proposed amendment(s) filed after a final rejection, b	at arias to the data of films a brief						
(a) They raise new issues that would require further con			cause				
(b) They raise the issue of new matter (see NOTE below		L 501011/j,					
(c) They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or							
(d) ☐ They present additional claims without canceling a c	orresponding number of finally reje	ected claims.					
NOTE: (See 37 CFR 1.116 and 41.33(a)).							
4. The amendments are not in compliance with 37 CFR 1.12	 See attached Notice of Non-Co 	mpliant Amendment (F	PTOL-324).				
Applicant's reply has overcome the following rejection(s):							
 Newly proposed or amended claim(s) would be allowable if submitted in a separate, timely filed amendment cance non-allowable claim(s). 							
 For purposes of appeal, the proposed amendment(s): a) [how the new or amended claims would be rejected is prov 		I be entered and an ex	planation of				
The status of the claim(s) is (or will be) as follows: Claim(s) allowed:							
Claim(s) allowed Claim(s) objected to:							
Claim(s) rejected: 1-7.9-20 and 22-30.							
Claim(s) withdrawn from consideration:							
AFFIDAVIT OR OTHER EVIDENCE							
 The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e). 							
The affidavit or other evidence filed after the date of filing a entered because the affidavit or other evidence failed to or showing a good and sufficient reasons why it is necessary	vercome <u>all</u> rejections under appea and was not earlier presented. Se	al and/or appellant fails se 37 CFR 41.33(d)(1)	s to provide a				
 The affidavit or other evidence is entered. An explanation 	of the status of the claims after er	ntry is below or attache	ed.				
REQUEST FOR RECONSIDERATION/OTHER 11. ☑ The request for reconsideration has been conside because:	red but does NOT place the applic	cation in condition for a	allowance				
See Continuation Sheet.							
12. Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s).							
13. Other:							
/Hosain T Alam/							

Continuation of 11, does NOT place the application in condition for allowance because: Applicant argues that Agrawal and Chen do not be treach or suggest "a function that counts and return frequent itemsets" wherein the function identifies said intentifies and inentifies must be obtained by the statement" and "a cursor as input and wherein the cursor is used by the function to access values from rows that are returned from a select statement".

In response to the preceding arguments examiner respectfully submits that Agrawal teaches "a function that counts and return frequent itemsets" and "wherein the function identifies said frequent item sets obtained by the select statement" as topur-by query preferably includes the steps of counting the number of transactions that contain each item and selecting the items that have a support above a user-specified threshold in determining the frequent itemsets (Agrawal Col Z, Lines 53-56).

Agrawal further teaches he use of table functions described above. It generates all possible k-item combinations of items contained in a transaction, joins them with the candidate table C, sub k, and counts the support of the itemsets by grouping join result. Two table functions, Gather and Comb-K, are used. The data table T is scanned in the (tid, item) order and passed to the table function Gather. This table function collects all the items of all transaction in other words, items of all tuples of T with the same tid) in memory and outputs a record for each transaction. Each such record consists of two attributes, the tid and item-list which is a collection of all its items in VARCHAR or a BLOB. The output of Gather is passed to another table function Comb-K which returns all k-item combinations formed out of the items of a transaction. A record output by Comb-K has kattributes T_ims.sub.f, ..., T_ims.sub.k, and can be directly used to probe into the C sub.k table. An index is constructed on all the items of C sub.k to make the probe efficient. FIG. 10 illustrates the SQL queries for the Gather. On a propocal, T is approach is analogous to the K-way. Join approach where the k-west [in] ort of Its replaced with the table functions Gather and Comb-K. It is possible to merge these functions together as a single table function GatherComb-K. The Gather function is not required when the data is already in a horizontal format where each tid is followed by a collection of all its items. The pseudo-code below illustrate a typical implementation of Gather-doin approach for counting support.

insert into F.sub.k select item.sub.1, . . . , item.sub.k, count(*)

from C.sub.k,

(select t.sub.2.T_itm.sub.1, . . . , t.sub.2.T_itm.sub.k from T,

table (Gather(T.tid, T.item)) as t.sub.1,

table (Comb-K(t.sub.1.tid, t.sub.1.item-list)) as t.sub.2) where t.sub.2.T itm.sub.1 = C.sub.k.item.sub.1 and

t.sub.2.T itm.sub.k = C.sub.k.item.sub.k

group by C.sub.k.item.sub.1, . . . , C.sub.k.item.sub.k (Agrawal COI 10, Lines 13-50).

In these lines Examiner interprets single table function GatherComb-K as a function required by the applicant because this function is counting and generating frequent itemsets with 2-item combinations with k=2.

Agrawal does not teaches "a cursor as input and wherein the cursor is used by the function to access values from rows that are returned from a select statement."

However, Chen teaches "a cursor as input" as control begins at block 200 with the executive 6 receiving program oPEN command for a static cursor scroll. The DECLARE statement for the static scrollable cursor would have been previously processed between the static scrollable cursor would have been previously processed the executive 6 calls (at block 202) the parser compiler 8 and optimizer 10 to parse and optimizer the OPEN statement is parsed and optimizer, the executive 6 calls (at block 204) the structure generator 12 to construct an INSECT statement in the previously compiled and executed DECLARE statement to populate the rows of the result table 50 with the qualifying rows of the base table 60 (Chen Parsargan) 00511).

"wherein the cursor is used by the function to access values from rows that are returned from a select statement," as the declaration of the cursor would provide a SELECT statement specifying columns of the database table 60 and a WHERE clause including one or more predicates to qualify rows of the database table 60. The data manager 16 would return to the cursor the selected columns in the select list from rows that satisfy the WHERE statement (Chen Paragraph 0032).

Therefore, Chen teahes a cursor which is used to access values from columns and rows of a database specified by the select and where statements.

The combination of Chen's cursor used for accessing values from the rows combined with the Agrawal's function used to count and generate frequent itemsets teaches the arqued limitations as a whole.